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Rotational speed detector for reel table in tape recorder - has switch that outputs pulse based on whether or not reel table contacts mobility and fixed pieces during rotation.

AB - J08273245 The detector determines the rotational speed of a reel table (41) provided in a tape deck of a tape recorder and rotated by a drive motor to guide the transit of a tape. A cam (42) formed underneath the reel table enables the reel table to bend while rotating thereby alternately producing a contact and non-contact state between the reel table and a mobility (44) and a fixed (45) piece.

- A switch (43) outputs a pulse based on the determined contact and non-contact states.

- ADVANTAGE - Continuously detects rotation of reel table; automatically stops rotation of reel table when reel table is not rotating normally; utilises inexpensive switch instead of expensive light emitting and light receiving components thereby reducing prodn. cost; provides exact operation that reduces factor in fault generation.

- (Dwg. 3/5)

PN - JP8273245 A 19961018 DW199701 G11B15/46 005pp

- CN1132903 A 19961009 DW199802 G11B15/093 000pp

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MC - T03-E03A1 T03-N02 T03-N03 W04-B04B3C W04-B10A

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AN - 1997-004112 [01]

===== PAJ =====

TI - ROTATIONAL SPEED DETECTION DEVICE FOR REEL TABLE

AB - PROBLEM TO BE SOLVED: To enable use of an inexpensive leaf switch and realize reduction in cost, by forming a cam on a bottom surface of a reel table and causing a leaf switch to be turned on and off by rotation of the cam.

- SOLUTION: A cam 42 is mounted on a lower portion of a reel table 41, and a leaf switch 43 is installed to be adjacent to the reel table 41. When the cam 42 rotates, the leaf switch 43 is turned on or off as a contact pin 46 of a movable piece 44 is brought into a contact state or a non-contact state with a fixed piece 45. When the reel table 41 rotates, the cam 42 integrally formed on the lower portion thereof also rotates, thus alternately guiding a circumferential surface 42a and a smooth surface 42b of the cam to the movable piece 44 of the leaf switch 43. When the cam 42 rotates by one turn, the leaf switch 43 is brought into the contact state and the non-contact state for three times, thereby generating pulses. In response to the pulses, whether the reel table 41 rotates normally or not is judged by a microcomputer.

PN - JP8273245 A 19961018

PD - 1996-10-18

ABD - 19980331

ABV - 199807

AP - JP19950334809 19951222

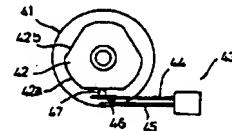
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